	Application No.	Applicant(s)
Notice of Allowability	10/773,668	KEIM ET AL.
	Examiner	Art Unit
	CUONG H. NGUYEN	3661
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. X This communication is responsive to the amendment filed of	on 1/31/2007.	
2. The allowed claim(s) is/are 1-2,5-13, they are renumbered	as claims 1-11. Formal drawings are	e accepted.
3.	been received. been received in Application No cuments have been received in this application. It do note the attached EXAMINER's reason(s) why the oath or declarate to be submitted. It be submitted. It is application. It is reason(s) why the oath or declarate to be submitted. It is application.	national stage application from the complying with the requirements S AMENDMENT or NOTICE OF tion is deficient. 948) attached ffice action of the back) of the complying with the front (not the back) of the complying the submitted. Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 2/06/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Pa 6. Interview Summary (Paper No./Mail Date 7. Examiner's Amendm 8. Examiner's Statemer 9. Other	(PTO-413), e
		CUONG H. NGUYEN Primary Examiner Art Unit: 3661

DETAILED ACTION

- 1. This Office Action is the answer to the amendment received on 1/31/2007, which paper has been placed of record in the file.
- 2. Claims 1-13 are pending in this application; wherein claims 12-13 are new, and claims 3-4 have been canceled.

Priority

3. This application claims a Germany priority (103 04 711.5) of 06 Feb. 2003.

Information Disclosure Statement

4. The submitted IDS filed on 2/06/2004 is considered.

Allowable Subject Matter & Reasons for Allowance

- 5. Independent claim 1 is patentable distinct over closest reference Baumann et al. (DE 19963153 A1) because Baumann et al. omit a teaching about a method for controlling an electromagnetic valve, comprising:
- altering a clock frequency of the trigger signal by the control device as a function of a performance quantity of the electromagnetic valve, the clock frequency being a function of a set point valve current through the coil and an actual valve current through the coil, wherein the clock frequency at a first set point valve current and the actual valve current is greater than that at a second set point valve current and the actual valve current; and the transfer cross section at at least one of the first set point valve current and the actual valve current is smaller than that at at least one of the second set point valve current and the actual valve current and the actual valve current.

clock frequency.

(DE 19963153 A1) because Baumann et al. omit a teaching about a method for controlling an electromagnetic valve, comprising: altering a clock frequency of the trigger signal by the control device as a function of a performance quantity of the electromagnetic valve, and superimposing on the trigger signal a heterodyne signal having a smaller heterodyne frequency in comparison with the

Independent claim 12 is patentable distinct over closest reference Baumann et al.

Baumann teaches an inductive component, which receives supply voltage has a serial measurement resistance and has its current flow controlled by a control circuit that generates <u>pulse</u> width modulation (PWM). This circuit is connected in parallel to the resistance is a low pass filter. The time constant of the low pass filter is chosen so that it matches the controlling <u>frequency</u> of the PWM. Existing current measurement circuits comprise an array of shunt resistances that require a very accurate differential amplifier. Baumann's invention provides a different way of economical measurement circuit.

7. Dependent claims 2, 5-11, and 13 are patentable because of dependencies of independent claims 1, and 12 (in that order).

Conclusion

- 8. Claims 1-2, and 5-13 are patentable. Claims 10-13 are renumbered as 3-4, 10 and 11.
- 9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CUONG H. NGUYEN whose telephone number is 571-272-6759 (email address: cuong.nguyen@uspto.gov). The examiner can normally be reached on 9:00 am 5:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THOMAS G. BLACK can be reached on 571-272-6956. The Rightfax number for the organization where this application is assigned is 571-273-6759.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Please provide support, with page and line numbers, for any amended or new claim in an effort to help advance prosecution; otherwise any new claim language that is introduced in an amended or new claim may be considered as new matter, especially if the Application is a Jumbo Application.

CUONG H. NGW Primary Examiner Art Unit 3661